

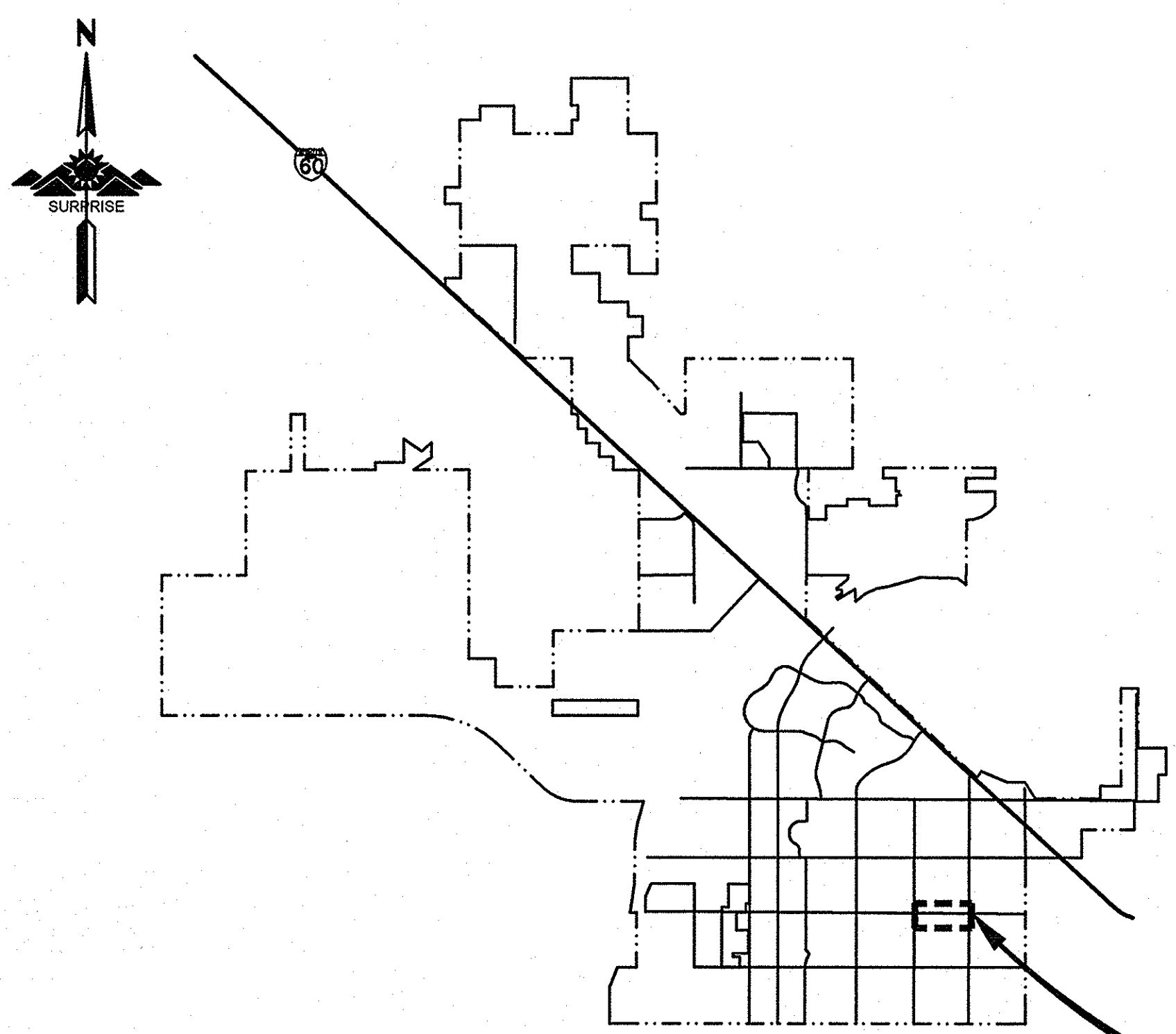
CITY OF SURPRISE

WADDELL RD MEDIAN IMPROVEMENTS

140TH DR TO LITCHFIELD RD
CIP # 21525



AUGUST 2015



CITY OF SURPRISE MAP
KEY MAP
NTS

APPROVALS

CITY OF SURPRISE SIGNATURE BLOCK

THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH CITY REQUIREMENTS PRIOR TO ISSUANCE OF PERMITS. THE CITY NEITHER ACCEPTS NOR ASSUMES ANY LIABILITY FOR ERRORS OR OMISSIONS. THIS COMPLIANCE APPROVAL SHALL NOT PREVENT THE CITY ENGINEER FROM REQUIRING CORRECTIONS OF ERRORS OR OMISSIONS IN PLANS FOUND TO BE IN VIOLATION OF LAW OR ORDINANCES.

APPROVED [Signature] 09/04/2015
CITY OF SURPRISE ENGINEER DATE

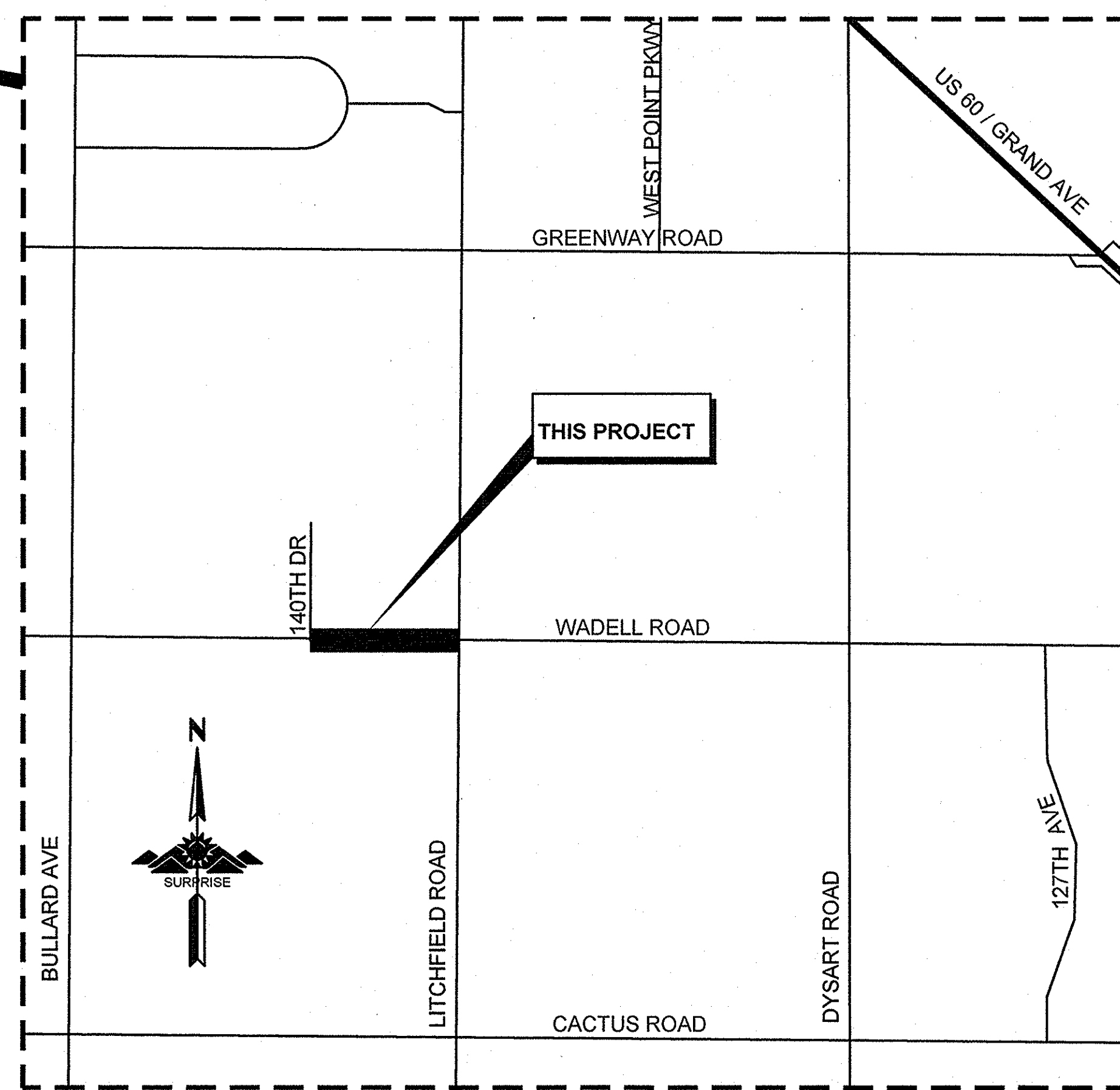
APPROVED _____ DATE _____
MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT

AS-BUILT CERTIFICATION

I CERTIFY THAT THE "AS-BUILT" INFORMATION SHOWN HEREON WAS OBTAINED UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

APPROVED _____ DATE _____
ENGINEER OF RECORD

REGISTRATION NO. _____



PROJECT VICINITY MAP
NTS

MAYOR
SHARON WOLCOTT

CITY COUNCIL

- DISTRICT 1 ROLAND F. WINTERS JR.
DISTRICT 2 JIM BIUNDO
DISTRICT 3 VICE MAYOR JOHN WILLIAMS
DISTRICT 4 RACHEL VILLANUEVA
DISTRICT 5 SKIP HALL
DISTRICT 6 TODD TANDE

CITY MANAGER
BOB WINGENROTH

OWNER/PROJECT MANAGER

CITY OF SURPRISE
16000 N. CENTER CIVIC PLAZA
SURPRISE AZ, 85374-7470
PHONE: (623) 222-6130
CONTACT: SUNEEL GARG, PE

ENGINEER

WOOD, PATEL & ASSOCIATES
2051 W. NORTHERN AVE
PHOENIX, AZ 85021
PHONE: (602) 335-8500
CONTACT: CHRIS SALAS, PE

SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3	DETAILS
4-5	PAVING PLANS
6-8	SIGNING AND STRIPING PLANS

UTILITY COMPANIES		
UTILITY PROVIDER	CONTACT	PHONE No.
EPCOR	MARC ALLEN	(623) 445-2451
ARIZONA PUBLIC SERVICE (APS)	RONNIE GANDARA	(602) 371-7546
CITY OF SURPRISE	MICHAEL BOULE	(623) 222-7040
COX COMMUNICATIONS (FIBER)	RANDY SIMMS	(623) 326-4058
COX COMMUNICATIONS (COAX)	RYAN QUAGLIATA	(623) 326-4252
CENTURY LINK	ERIC HITCHCOCK	(602) 460-1233
SOUTHWEST GAS	IVONNE AGUIRE	(602) 484-5338

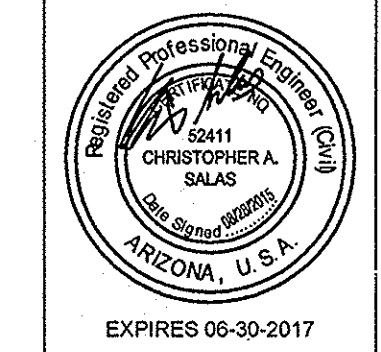
THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF SURPRISE

IN ACCORDANCE WITH AAC R18-119, ALL MATERIALS INSTALLED AFTER JANUARY 1, 1993, WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION STANDARDS 60 & 61.

REVISION BY CITY OF SURPRISE		NO.	DESCRIPTION	REV BY	CHK BY	DATE



WOOD/PATEL
MISSION: CLIENT SERVICE™
PHOENIX • MESA • TUCSON
2091 W. NORTHERN AVE.
PHOENIX, AZ 85021
(602) 335-8500



WADDELL RD IMPROVEMENTS 140TH DR TO LITCHFIELD RD COVER SHEET	DESIGNED	CC
	DRAWN	CC/BM
	CHECKED	CS
	DATE	08/28/2015

PROJECT NO. CIP #21525
SHEET NUMBER 1 OF 8



3. ALL CONSTRUCTION MUST CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENT (MAG) SPECIFICATIONS AND DETAILS AND LATEST REVISIONS UNLESS OTHERWISE STATED ON PLANS.
2. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND THEY WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL OVERHEAD AND UNDERGROUND UTILITY LOCATIONS WHERE CONSTRUCTION OCCURS. SPECIAL CARE SHALL BE TAKEN TO ENSURE THAT ALL UTILITIES ARE AVOIDED. UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND NOT FOR CONSTRUCTION PURPOSES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AND OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL COMPLY WITH ALL CURRENT BLUE STAKE LAWS. CALL BLUE STAKE FOR FIELD LOCATION AT (602) 263-1100.
4. THE CITY OF SURPRISE ENGINEERING SERVICES OF PUBLIC WORKS SHALL BE NOTIFIED FORTY- EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORK AT 623-222-6150.
5. THE ENGINEER AND APPLICABLE AGENCY MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION OR VARIATION FROM THESE PLANS. ANY VARIATION FROM THESE PLANS SHALL BE PROPOSED AND RESUBMITTED FOR REVIEW AND APPROVAL.
6. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES ON THE SITE. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THE DRAWING, SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE. EXISTING SURFACE FEATURES AND FENCING SHALL BE REPLACED IN KIND.
7. ANY INSPECTION BY THE CITY, COUNTY, OR THE ENGINEER, SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE APPLICABLE CODES AND AGENCY REQUIREMENTS.
8. THE CONTRACTOR IS TO LOCATE ALL EXISTING LANDSCAPING, LANDSCAPING IRRIGATION LINES, PROPERTY MONUMENTS, FENCING OR SURFACE FEATURES PRIOR TO CONSTRUCTION. ANYTHING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
9. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
10. ALL CONSTRUCTION WATER USED WITHIN THE CITY OF SURPRISE WATER SERVICE AREA REQUIRES APPROVAL BY THE CITY OF SURPRISE PUBLIC WORKS DEPARTMENT AND MAY BE SUBJECT TO VOLUME AND TIME RESTRICTIONS. PLEASE SEE THE CITY OF SURPRISE CONSTRUCTION WATER GUIDELINES FOR ADDITIONAL INFORMATION. THE GUIDELINES CAN BE OBTAINED FROM THE PUBLIC WORKS DEPARTMENT AT 623-222-6000.
11. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH MAG SPECIFICATION 401, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE "TEMPORARY WORK ZONE TRAFFIC MANAGEMENT POLICY" (LATEST EDITION).
12. PRIOR TO FINAL APPROVAL AND ACCEPTANCE OF THE WORK, THE DEVELOPER/CONTRACTOR WILL BE REQUIRED TO CLEAN AND REPAIR ADJACENT (OFF-PROJECT) ROADWAYS USED OR DAMAGED DURING THE COURSE OF CONSTRUCTION.
13. EMERGENCY VEHICLE ACCESS (E.V.A.) MUST BE PROVIDED BY THE DEVELOPER/CONTRACTOR THROUGHOUT THE PROJECT SITE. E.V.A. ROADS AND SIGNAGE SHALL BE MAINTAINED BY THE DEVELOPER/CONTRACTOR AT ALL TIMES. SIGNAGE SHALL BE POSTED AT THE POINT OF ENTRY TO THE SITE AND AT ALL LOCATIONS WHERE A CHANGE IN DIRECTION OCCURS.
14. THE PLANS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT'S ACCESSIBILITY GUIDELINES, AS PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 15, 2010.

- CONTRACTOR TO FOLLOW RECOMMENDATIONS LISTED IN THE PROJECT SPECIFIC GEOTECHNICAL REPORT. SHOULD ANY CONFLICTS ARISE BETWEEN THE SOILS INVESTIGATION REPORT AND THESE GRADING PLANS, THE CIVIL ENGINEER SHALL BE CONTACTED FOR CLARIFICATION.
2. THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO UNFORESEEN FIELD CONDITIONS.
3. THE ENGINEER WILL PERFORM FIELD SURVEYS FOR PAD ELEVATION CERTIFICATIONS, UPON NOTIFICATION BY THE GRADING CONTRACTOR, THAT THE PADS ARE COMPLETE AND READY FOR CERTIFICATION. IT IS UNDERSTOOD THAT THE CERTIFICATION PROVIDES ONLY A REPRESENTATIVE ELEVATION OF THE AVERAGE GRADE OF EACH LOT, BUILDINGS, OR UNIT PAD, AND SHALL NOT BE CONSTRUED TO INCLUDE YARD AND STREET SUBGRADE CERTIFICATION OR CERTIFICATION THAT THE ENTIRE PAD IS LEVEL, THAT IT WAS CONSTRUCTED IN THE DESIGNED LOCATION OR WAS GRADED TO THE CROSS-SECTION SET FORTH ON THE PLANS OR AS DESIGNATED IN THE SOILS REPORT.
4. AN APPROVED GRADING AND DRAINAGE PLAN MUST BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THIS PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
5. ALL DRAINAGE FACILITIES SUCH AS SWALES, INTERCEPTOR DITCHES, PIPES, PROTECTIVE BERMS, BARRIER WALLS, CONCRETE CHANNELS, OR OTHER MEASURES DESIGNED TO PROTECT BUILDINGS FROM STORM RUNOFF MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF ANY BUILDINGS.
6. A GRADING PERMIT IS REQUIRED. BEFORE A GRADING PERMIT IS ISSUED BY THE CITY OF SURPRISE ENGINEERING SERVICES, THE CONTRACTOR MUST FIRST OBTAIN A DUST CONTROL PERMIT FROM MARICOPA COUNTY ENVIRONMENTAL SERVICES-AIR QUALITY DIVISION.
7. HAUL PERMITS, WHEN REQUIRED, MUST BE OBTAINED PRIOR TO OR CONCURRENTLY WITH THE GRADING AND DRAINAGE PERMIT.
8. A SEPARATE PERMIT IS NECESSARY FOR ANY OFFSITE CONSTRUCTION.
9. CONTRACTOR SHALL PROVIDE LEVEL BOTTOM IN ALL RETENTION BASINS AT ELEVATIONS AS SHOWN ON THE PLANS. SIDE SLOPES IN ALL RETENTION BASINS SHALL NOT EXCEED 4:1 UNLESS NOTED OTHERWISE ON THE PLANS.
10. DRYWELLS, WHEN REQUIRED, MUST BE DRILLED A MINIMUM OF TEN (10) FEET INTO PERMEABLE POROUS STRATA OR PERCOLATION TESTS WILL BE REQUIRED. THE CIVIL INSPECTOR MUST BE PRESENT BEFORE BACKFILL OR WELL PIPES ARE PLACED WITHIN ANY DRYWELLS.
11. THE OWNER/DEVELOPER MUST BE RESPONSIBLE FOR REGISTERING THE DRYWELLS SHOWN ON THE PLAN WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ).
12. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR MAINTENANCE OF DRYWELLS SHOWN ON THE PLAN.
13. ACCESS BARRIERS/TRASH RACKS ARE REQUIRED ON THE EXPOSED ENDS OF ALL STORM DRAINS EIGHTEEN (18) INCHES IN DIAMETER AND GREATER. SEE DETAILS 5-06A, 5-06B, AND 5-06C. REFER TO MAG DETAILS 502-1 AND 502-2 FOR PIPES LESS THAN THIRTY (30) INCHES IN DIAMETER.
14. SOIL COMPACTION TEST RESULTS MUST BE SUBMITTED TO THE CITY OF SURPRISE ENGINEERING SERVICES FOR BUILDING PADS THAT HAVE ONE (1) FOOT OR MORE OF FILL MATERIAL INDICATED.
15. A PAD CERTIFICATION LETTER FOR EACH PHASE OR PARCEL MUST BE SUBMITTED TO THE CITY OF SURPRISE ENGINEERING SERVICES BY THE DEVELOPER STATING THAT EACH PAD HAS BEEN BUILT IN ACCORDANCE WITH THE SOILS INVESTIGATIVE REPORT AND CITY OF SURPRISE REQUIREMENTS.
16. APPROVAL OF THESE PLANS SHALL NOT PREVENT THE CITY FROM REQUIRING THE CORRECTION OF ERRORS IN THE PLANS WHERE SUCH ERRORS ARE SUBSEQUENTLY FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
17. ALL CONSTRUCTION SITES WITH DISTURBED AREAS OF ONE (1) ACRE OR GREATER SHALL HAVE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ALL ASSOCIATED DOCUMENTS (SEE ENGINEERING AND PERMITTING APPLICATION PACKET).

NOTE REGARDING CMU AND RETAINING WALLS: THE CITY OF SURPRISE REQUIRES ALL WALLS BE APPROVED BY THE COMMUNITY DEVELOPMENT DEPARTMENT (623-222-3000). BUILDING PERMITS AND INSPECTIONS ARE REQUIRED PER THE INTERNATIONAL BUILDING CODE.

3. THE ACTUAL POINT OF PAVEMENT MATCHING AND/OR TERMINATION, SHALL BE DETERMINED IN THE FIELD BY A CITY OF SURPRISE FIELD INSPECTOR.
2. ALL FRAMES, COVERS, VALVE BOXES, AND MANHOLE COVERS SHALL BE ADJUSTED TO FINISH GRADE AFTER COMPLETION OF PAVING OR RELATED CONSTRUCTION.
3. CONSTRUCTION OF SURFACE IMPROVEMENTS SHALL NOT BEGIN UNTIL CONFLICTING UNDERGROUND UTILITY CONSTRUCTION IS COMPLETED AND SERVICE CONNECTIONS TO ALL PLATTED LOTS HAVE BEEN ADEQUATELY EXTENDED TO THE RIGHT-OF-WAY OR PUBLIC UTILITY EASEMENT.
4. THE PERMITTEE SHALL ARRANGE FOR THE RELOCATION COSTS OF ALL UTILITIES, INCLUDING ANY STREET LIGHTS, AND SUBMIT A UTILITY RELOCATION SCHEDULE PRIOR TO THE ISSUANCE OF A CONSTRUCTION PERMIT.
5. TREES AND SHRUBBERY IN THE RIGHT-OF-WAY THAT CONFLICT WITH PROPOSED IMPROVEMENTS SHALL NOT BE REMOVED WITHOUT APPROVAL FROM THE CITY. THE PERMITTEE SHALL BE RESPONSIBLE FOR OBTAINING AUTHORIZATION FROM CITY OF SURPRISE COMMUNITY DEVELOPMENT AT 623-222-3000 TO REMOVE AND/OR RELOCATE SAID TREES AND SHRUBBERY.
6. DAMAGED AND/OR DISPLACED CONCRETE CURB, GUTTER, SIDEWALK, OR DRIVEWAY SLAB THAT IS WITHIN THE RIGHT-OF-WAY SHALL BE REPAIRED OR REPLACED BEFORE FINAL ACCEPTANCE OF THE WORK.
7. GRADING BETWEEN BACK OF CURB AND PROPERTY LINE SHALL BE LIMITED TO 4:1 SLOPE. PROTECT SLOPES FROM EROSION AND/OR TRANSPORTING SILT ONTO STREETS OR ADJACENT PRIVATE PROPERTY.
8. ALL FIRE HYDRANTS SHALL HAVE A TWO-WAY BLUE REFLECTOR INSTALLED PER MAG STANDARD DETAIL 122.
9. STREET SIGNS SHALL BE FURNISHED AND INSTALLED BY THE DEVELOPER AT THE LOCATIONS SHOWN ON THE SIGNAGE, STRIPING, OR PAVING PLAN. ALL STREET SIGNS SHALL BE INSTALLED PER CITY OF SURPRISE STREET SIGN AND STREET SIGN BASE DETAIL 4-22.
10. ASPHALT MIX DESIGN SHALL BE SUBMITTED TO THE CITY OF SURPRISE ENGINEERING DEVELOPMENT SERVICES DIVISION PRIOR TO THE PLACEMENT OF ANY ASPHALT.

CITY OF SURPRISE BENCHMARK #79:
CHISELED ANGLE POINT ON SE CORNER OF CONCRETE HEADWALL,
APPROX. 11' SOUTH OF EDGE OF PAVEMENT OF CACTUS ROAD, APPROX.
½ MILE WEST OF REEMS ROAD.
ELEVATION: 1185.30 FT

THE BASIS OF BEARING IS THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 17, TOWNSHIP 3 NORTH, RANGE 1 WEST AS HAVING A BEARING OF SOUTH 88 DEGREES 30 MINUTES 59 SECONDS EAST.

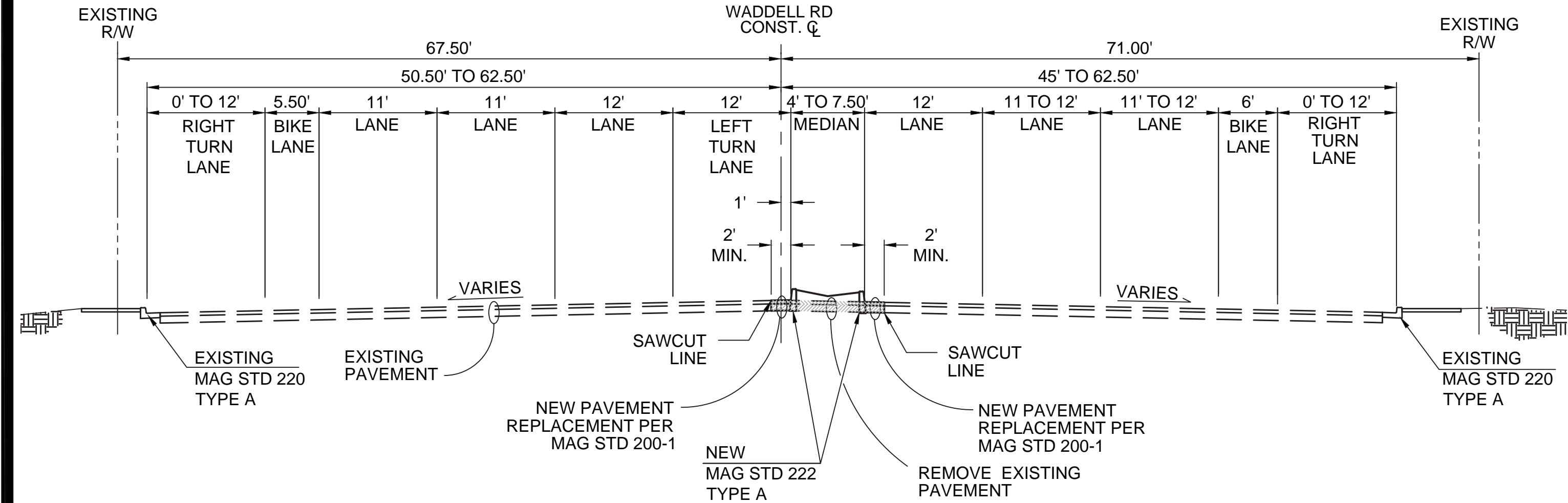
THIS DESIGN IS BASED UPON GROUND SURVEY BY CITY OF SURPRISE.
WOOD, PATEL AND ASSOCIATES, INC. SHALL IN NO WAY BE
RESPONSIBLE FOR THE ACCURACY OF THE SURVEY. CONTRACTOR
SHALL VERIFY TOPOGRAPHIC INFORMATION AND NOTIFY THE ENGINEER
OF ANY DISCREPANCIES.

	PUBLIC UTILITY EASEMENT	
	PARCEL BOUNDARY	
	ROADWAY CENTERLINE	
	VERTICAL CURB & GUTTER	
	ROLL CURB & GUTTER	
	SANITARY SEWER PIPE & MANHOLE	
	POTABLE WATER PIPE & VALVE	
	STORM DRAIN PIPE & MANHOLE	
	PROPOSED CONTOUR	
	EXISTING CONTOUR	
	FIRE HYDRANT	
	AIR RELEASE VALVE	
	PAVING CONSTRUCTION NOTE	
	STORM DRAIN CONSTRUCTION NOTE	
	SANITARY SEWER CONSTRUCTION NOTE	
	POTABLE WATER CONSTRUCTION NOTE	
	LOW POINT	
	HIGH POINT	
	GB	GRADE BREAK
	INV=	INVERT ELEV.
	TC=	TOP OF CURB ELEV.
	G=	GUTTER ELEV.
	P=	PAVEMENT ELEV.
	EP=	EXIST. EDGE OF PAVEMENT ELEV.
	TW=	TOP OF WALL ELEV.
	BW=	BOTTOM OF WALL ELEV.
	FL=	FLOW LINE ELEV.
	PT	POINT OF TANGENCY
	PC	POINT OF CURVATURE
	PCC	POINT OF CONTINUOUS CURVATURE
	PRC	POINT OF REVERSE CURVATURE
	POL	POINT ON LINE
	PRVC	POINT OF REVERSE VERTICAL CURVATURE
	INT	INTERSECTION
	WSEL	WATER SURFACE ELEVATION
	T/B	TOP OF BANK
	S.E.	SEWER EASEMENT
	S.W.E.	SIDEWALK EASEMENT
	P.U.E.	PUBLIC UTILITY EASEMENT
	W.E.	WATER EASEMENT
	W.S.E.	WATER AND SEWER EASEMENT
	D.E.	DRAINAGE EASEMENT
	L.E.	LANDSCAPE EASEMENT
	BVC	BEGIN VERTICAL CURVE
	EVC	END VERTICAL CURVE
	EP	EX. EDGE OF PAVEMENT
	BCR	BEGINNING OF CURB RETURN
	ECR	END OF CURB RETURN
	PVI	POINT OF VERTICAL INTERSECTION
		SLOPE
	SIDEWALK	
	DIRECTION OF FLOW	
	NEW PAVEMENT / PAVEMENT REPLACEMENT	

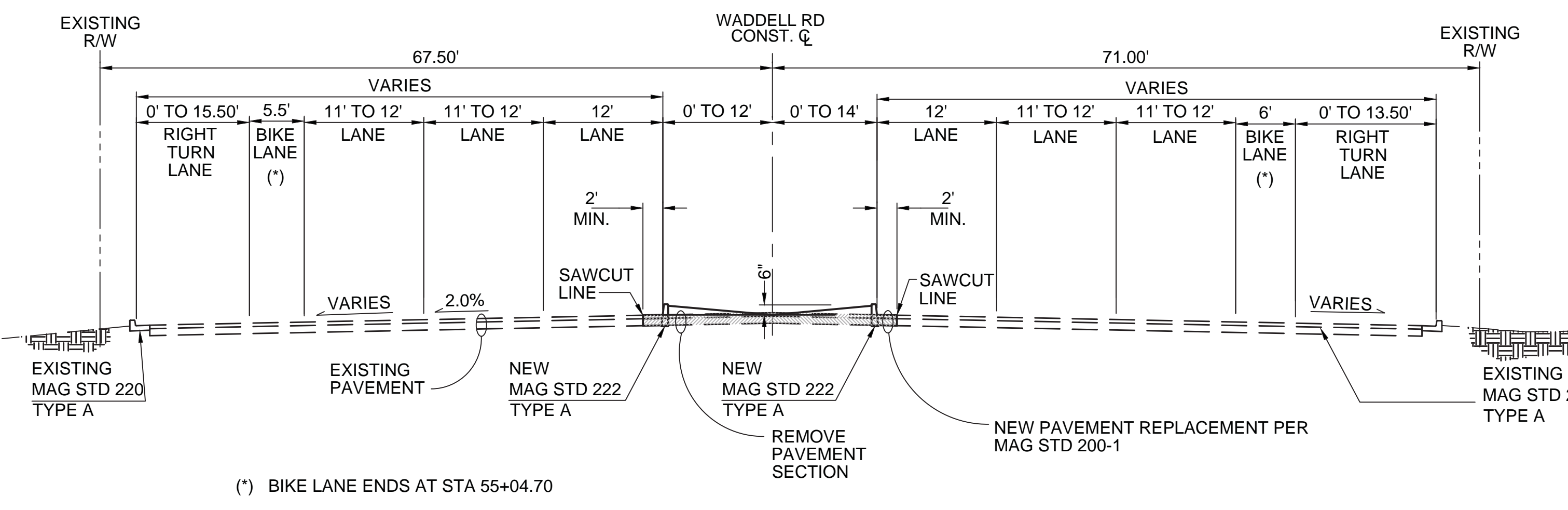


SURPRISE
ARIZONA

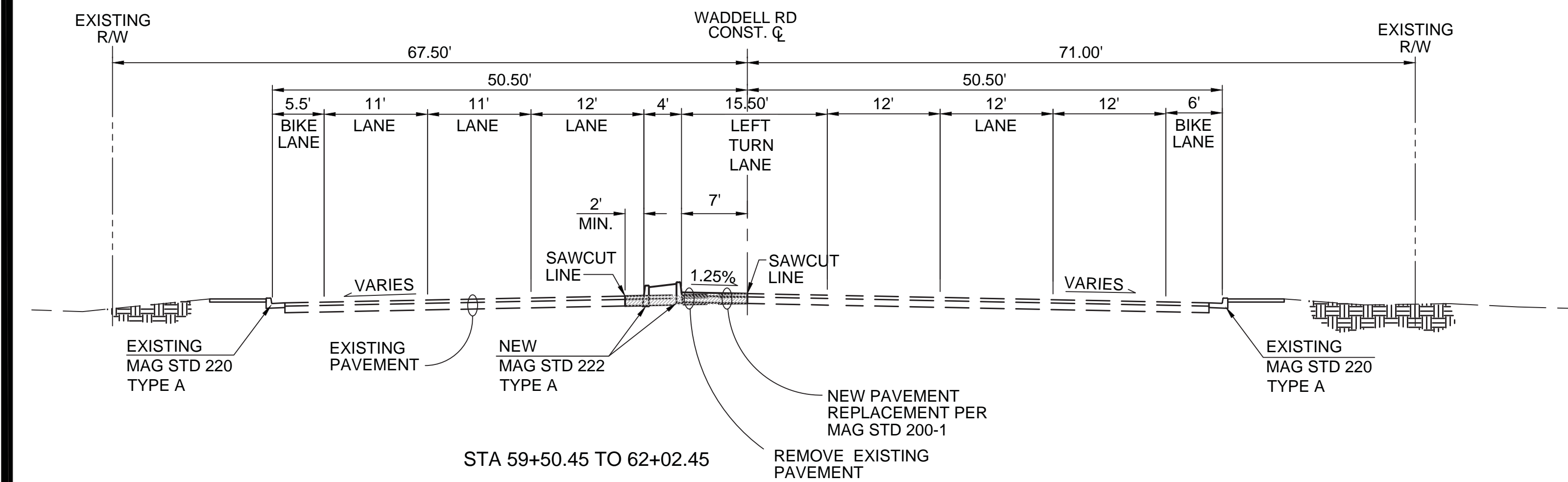
DATE 08/28/2015
PROJECT NO. CIP #21525
SHEET NUMBER 2 OF 8



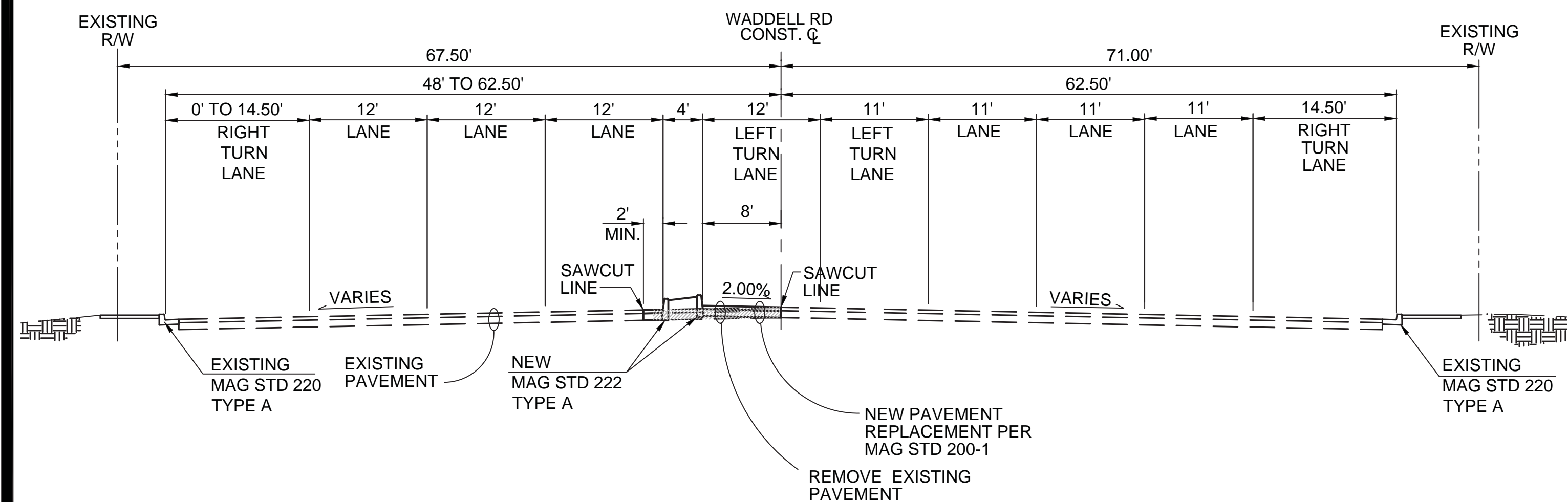
TYPICAL SECTION - LOOKING EAST
STA 50+75.84 TO 51+97.73 N.T.S.



TYPICAL SECTION - LOOKING EAST
51+97.73 TO 53+41.17 N.T.S.
54+64.43 TO 59+50.45

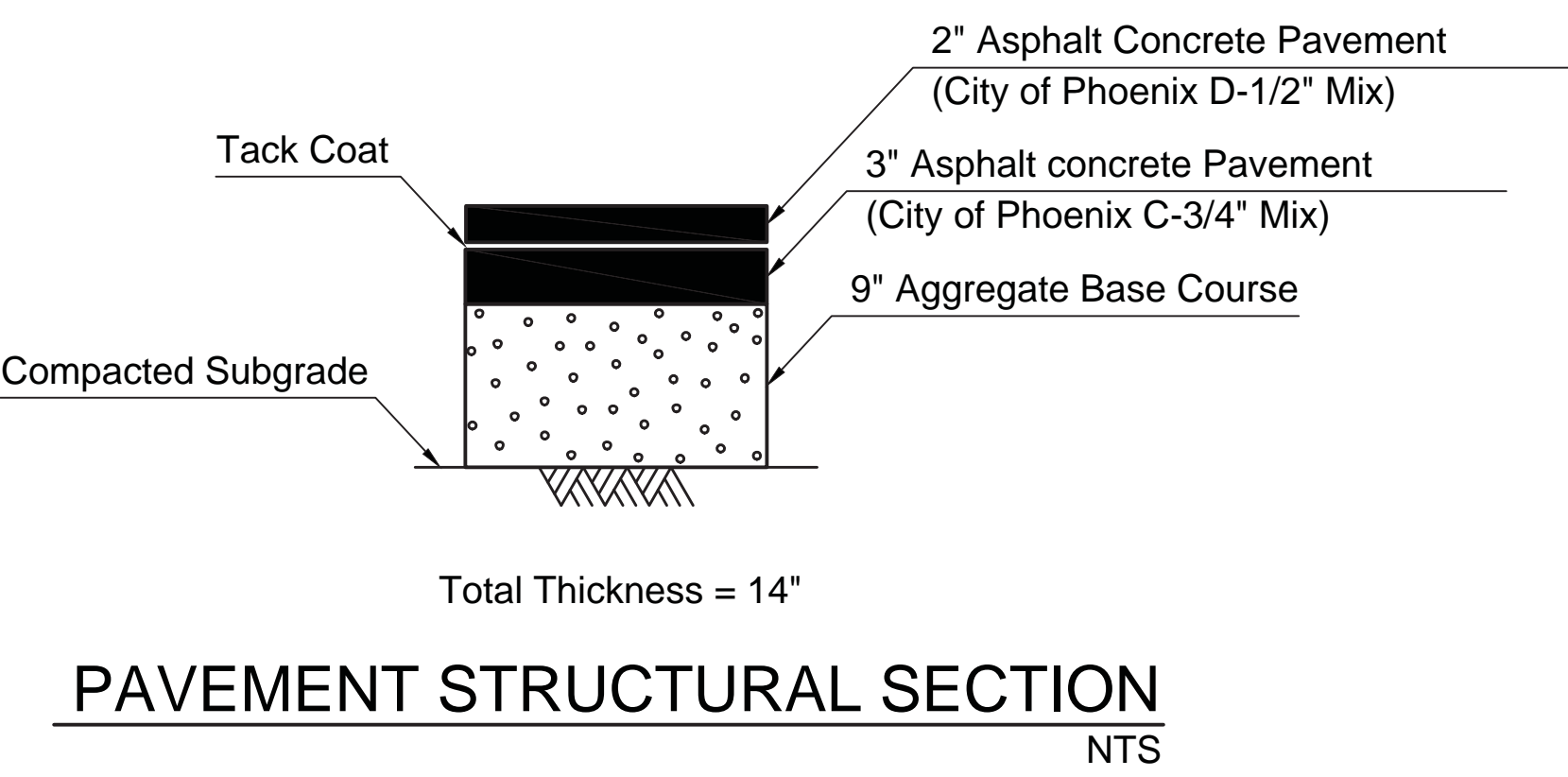


TYPICAL SECTION - LOOKING EAST
STA 53+41.17 TO 54+64.43 N.T.S.




TYPICAL SECTION - LOOKING EAST
STA 59+50.45 TO 62+02.45 N.T.S.

QUANTITY SUMMARY			
No.	DESCRIPTION	QUANTITY	UNIT
PAVING			
1	REMOVAL OF EXISTING ASPHALT PAVEMENT	2030	SY
2	5" AC (2" OF 1/2" - HIGH TRAFFIC, 3" OF 3/4" MIX - HIGH TRAFFIC) ON 9" ABC PER STRUCTURAL SECTION #1	752	SY
3	SINGLE CURB PER MAG STD DET 222, TYPE "A"	2093	LF
4	CONCRETE MEDIAN NOSE TRANSITION PER MAG STD DET 223	3	EA
5	1" IRRIGATION RECLAIMED WATER METER AND SERVICE CONNECTION PER CITY OF SURPRISE STD DET 6.20	1	EA
6	IRRIGATION SLEEVE, 3" SCHEDULE 40 PVC PIPE PER DETAIL 5 ON LANDSCAPE PLAN LA-401	200	LF




REVISION BY CITY OF SURPRISE

NO.	DESCRIPTION	REV BY	CHK BY	DATE



WOOD/PATEL
MISSION: CLIENT SERVICE™
PHOENIX • MESA • TUCSON
2011 N. 10TH AVE., SUITE 100
PHOENIX, AZ 85021
(602) 385-6600



WADDELL RD IMPROVEMENTS
140TH DR TO LITCHFIELD RD

DESIGNED CC

DRAWN CC/BM


CHECKED CS

DATE
08/28/2015

PROJECT NO.
CIP #21525

SHEET NUMBER
3 OF 8

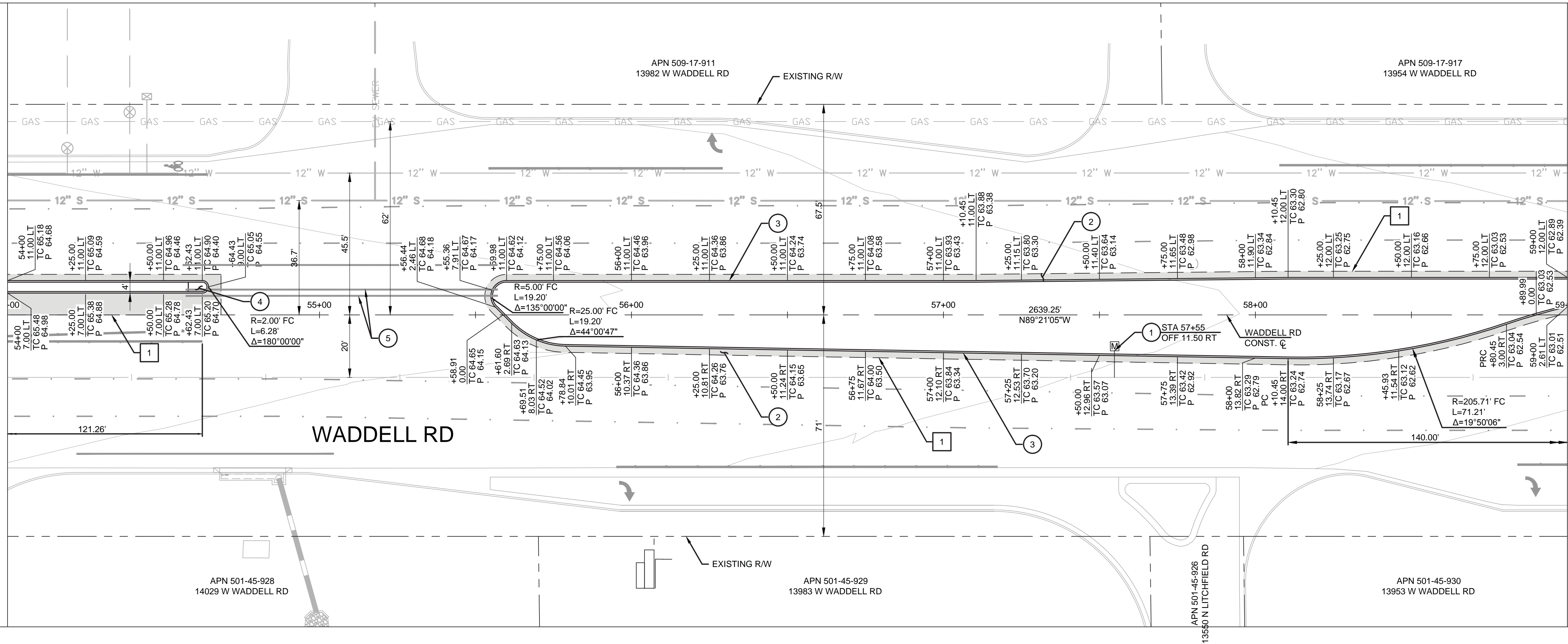
Call at least two full working days before you lay the concrete.



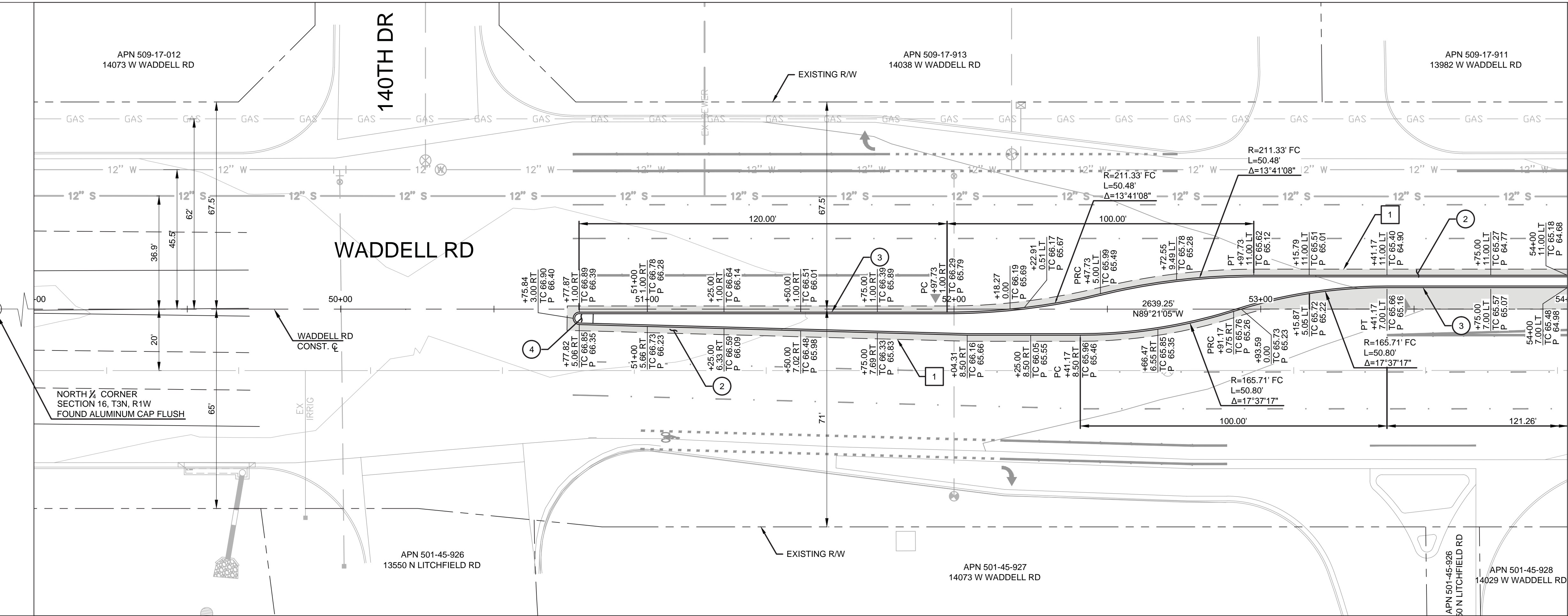
ARIZONA 811
Call 8-1-1 or 1-800-4-A-ARIZONA (272-4269)
to Markmap Community (800) 553-1100

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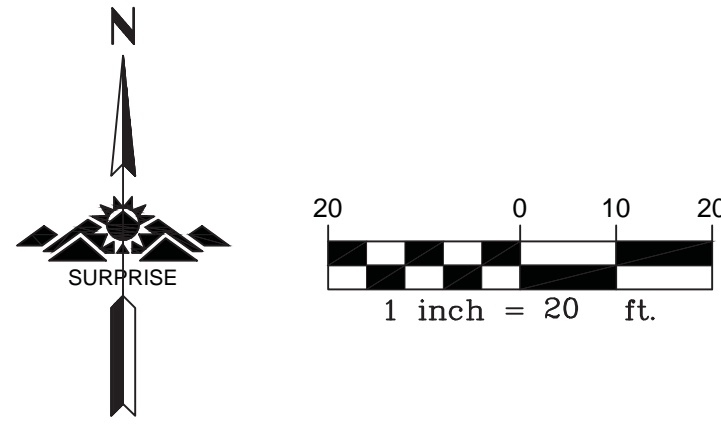
MATCH LINE STA 54+00 SEE ABOVE RIGHT



MATCH LINE STA 59+00 SEE SHEET 5



MATCH LINE STA 54+00 SEE BELOW LEFT



REMOVALS / RELOCATE		
1	SAWCUT AND REMOVE EXISTING PAVEMENT	1553 SY
CONSTRUCTION		
1	INSTALL 1" IRRIGATION RECLAIMED WATER METER AND SERVICE CONNECTION PER CITY OF SURPRISE STD. DET. 6-20	1 EA
2	5' AC ON 9" ABC PER PAVEMENT STRUCTURAL SECTION ON SHEET 3	422 SY
3	INSTALL 6" SINGLE CURB PER MAG STD DET. 222, TYPE "A".	1485 LF
4	CONSTRUCT MEDIAN NOSE TRANSITION PER MAG STD DET 223	2 EA
5	INSTALL IRRIGATION SLEEVE, 3" SCHEDULE 40, PURPLE COLOR. REFER TO DETAIL 5 ON LANDSCAPE PLAN LA-401.	200 LF

WADDELL RD IMPROVEMENTS
140TH DR TO LITCHFIELD RD

PAVING PLAN

DATE
08/28/2015
PROJECT NO.
CIP #21525
SHEET NUMBER

DESIGNED CC DRAWN CCBM CHECKED CS

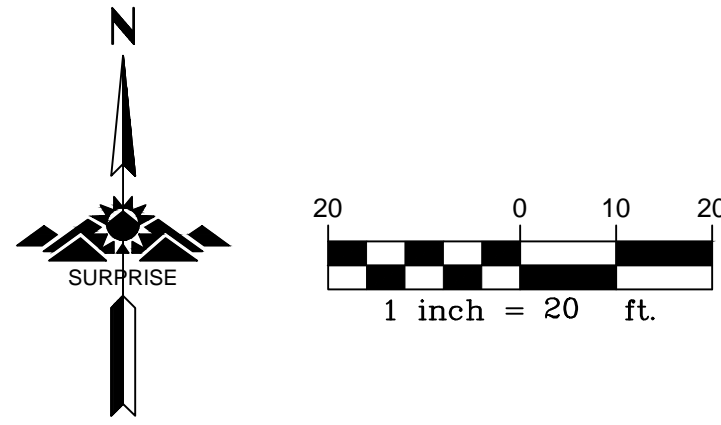
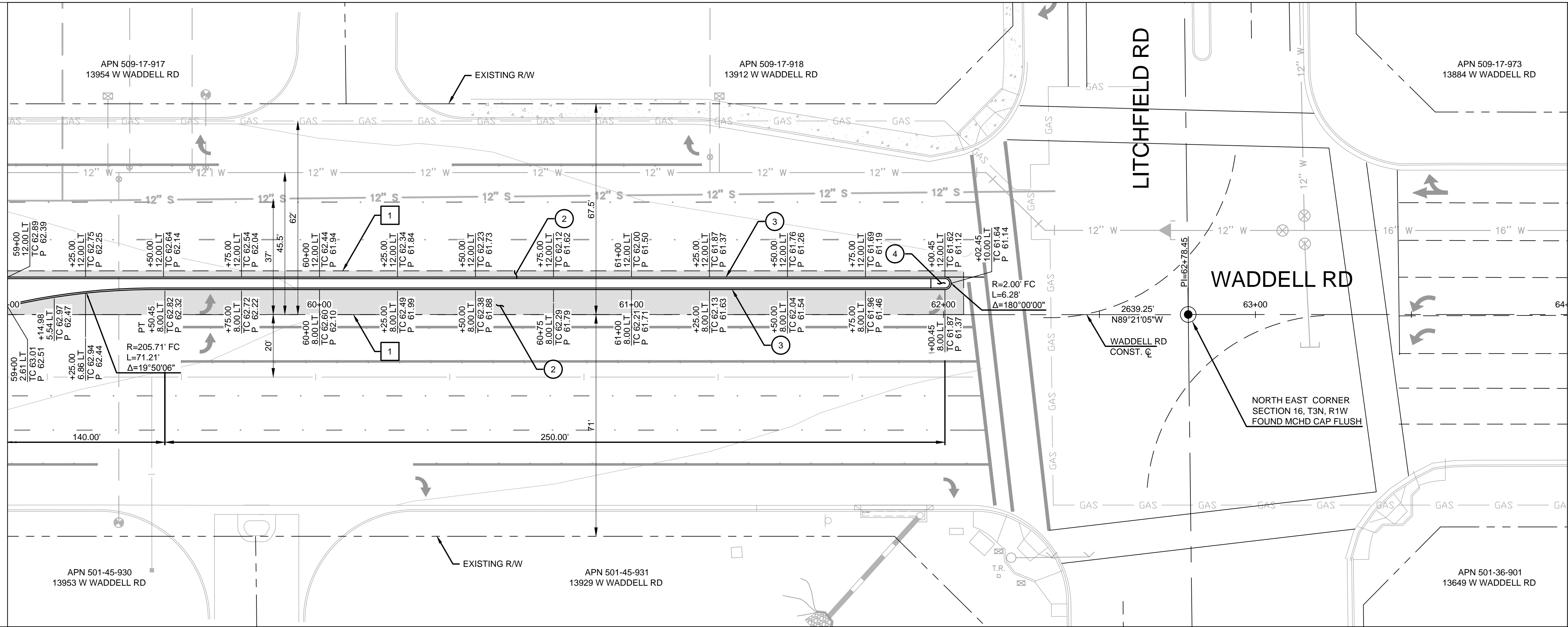
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PHOENIX • MESA • TUCSON
2015 N. 10TH AVE., SUITE 100
PHOENIX, AZ 85021
(602) 385-6500

SURPRISE
ARIZONA

REVISION BY CITY OF SURPRISE
NO. DESCRIPTION REV BY CHK BY DATE

N:\2015\154307\DWG\IMP\4307 PAVING.DWG - 8/20/2015 2:15 PM

MATCH LINE STA 59+00 SEE SHEET 4



REMOVALS / RELOCATE		
1	SAWCUT AND REMOVE EXISTING PAVEMENT	477 SY

CONSTRUCTION		
2	5" AC ON 9" ABC PER PAVEMENT STRUCTURAL SECTION ON SHEET 3	333 SY
3	INSTALL 6" SINGLE CURB PER MAG STD DET. 222, TYPE "A".	608 LF
4	CONSTRUCT MEDIAN NOSE TRANSITION PER MAG STD DET 223	1 EA

WADDELL RD IMPROVEMENTS 140TH DR TO LITCHFIELD RD PAVING PLAN		DATE 08/20/2015	DESIGNED	CC	DRAWN	CC/BM	CHECKED	CS
		PROJECT NO. CIP #21525	SHEET NUMBER 5 OF 8					

WOOD/PATEL
MISSION: CLIENT SERVICE™
PHOENIX • MESA • TUCSON
2 Phoenix, AZ 85021
(602) 385-6600

Professional Engineer
No. 11111
CHRISTOPHER A. SALAS
Exp. 08/30/2017
ARIZONA, U.S.A.

EXPIRES 06-30-2017

REVISION BY CITY OF SURPRISE	
NO.	DESCRIPTION

1 inch = 20 ft.

20 0 10 20

GENERAL SIGNING AND PAVEMENT MARKING NOTES

1.

ALL PAVEMENT MARKING, SIGNING AND CONSTRUCTION SHALL CONFORM TO THE LATEST EDITIONS OF THE ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) STANDARD DRAWINGS AND SPECIFICATIONS, ADOT SIGNING AND MARKING STANDARD DRAWINGS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND CITY OF SURPRISE ENGINEERING DEVELOPMENT STANDARDS UNLESS OTHERWISE NOTED IN THE SPECIAL PROVISIONS OR THESE PLANS.
2.

CITY SHALL FIELD INSPECT ALL SIGNS AND MARKINGS FOR FIELD ADJUSTMENT, PRIOR TO INSTALLATION AND FINAL ACCEPTANCE.
3.

ALL MEASUREMENTS SHALL BE TAKEN FROM THE EDGE OF PAVEMENT.
4.

ALL SIGNS THAT ARE REMOVED AND NOT REINSTALLED SHALL BE SALVAGED AND DELIVERED TO THE CITY MAINTENANCE YARD SHOP AT 13430 W. WESTGATE, SURPRISE, AZ.
5.

THE CONTRACTOR SHALL FURNISH AND INSTALL STREET NAME SIGN BRACKETS AND HARDWARE.
6.

THE SIGN LOCATIONS AND QUANTITIES FOR POST LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL SPOT MARK THE SIGN LOCATIONS, VERIFY THE ACTUAL POST LENGTHS, AND CONTACT THE CITY TRAFFIC ENGINEER OR DESIGNEE FOR INSPECTION PRIOR TO INSTALLING SIGNS. NO FOUNDATIONS, POSTS, OR SIGN PANELS SHALL BE INSTALLED WITHOUT FINAL APPROVAL FROM THE CITY TRAFFIC ENGINEER OR DESIGNEE.
7.

THE CONTRACTOR SHALL NOT OVERLAY THE SIGN PANELS.
8.

THE SIGN LOCATIONS SHOWN ON THESE PLANS MAY BE MODIFIED AS DIRECTED BY THE CITY TRAFFIC ENGINEER OR DESIGNEE. ANY SIGNS INSTALLED BEFORE LAYOUT INSPECTION SHALL BE REMOVED AND REINSTALLED AT THE CONTRACTOR'S EXPENSE.
9.

ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY WATERBLASTING, OR CITY APPROVED METHODS, PRIOR TO THE INSTALLATION OF NEW PAVEMENT MARKINGS. REMOVALS SHALL BE TO THE SATISFACTION OF THE CITY.
10.

ANY DAMAGE TO THE PAVEMENT CAUSED BY PAVEMENT MARKING REMOVAL SHALL BE REPAIRED BY METHODS ACCEPTABLE TO CITY CIVL INSPECTION PERSONNEL. WHEN ASPHALT SLURRY IS USED TO REPAIR DAMAGE TO THE PAVEMENT CAUSED BY PAVEMENT MARKING REMOVAL THE ASPHALT SLURRY SHALL BE PLACED PARALLEL TO THE NEW DIRECTION OF TRAVEL AND SHALL BE AT LEAST TWO (2) FEET IN WIDTH.
11.

AT THE COMPLETION OF THE PAVEMENT SURFACE EACH DAY, THE CONTRACTOR SHALL STRIPE CENTER LINES, LANE LINES, AND STOP BARS WITH ONE APPLICATION OF TEMPORARY REFLECTORIZED TRAFFIC PAINT AT THE LOCATIONS OF FINAL STRIPING, PER CITY OF SURPRISE DETAIL 4-201. THIRTY (30) DAYS AFTER TEMPORARY STRIPING IS PLACED, THE CONTRACTOR SHALL INSTALL FINAL PAVEMENT MARKINGS.
12.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAVEMENT MARKINGS ON THE FINAL SURFACE COURSE FOLLOWING CONTROL POINTS THAT HAVE BEEN SET. CONTROL POINTS SHALL BE NO MORE THAN FIFTY (50) FEET APART ALONG THE ALIGNMENT TO BE STRIPED.
13.

THE CONTRACTOR SHALL CONTACT THE CITY TRAFFIC ENGINEER OR DESIGNEE FOR INSPECTION OF TEMPORARY STRIPING AND/OR CONTROL POINTS PRIOR TO APPLICATION OF FINAL MARKINGS. ANY FINAL PAVEMENT MARKING APPLIED BEFORE INSPECTION SHALL BE REMOVED AND REAPPLIED AT THE CONTRACTOR'S EXPENSE.
14.

THE FINAL PAVEMENT MARKINGS SHOWN ON THESE PLANS MAY BE MODIFIED AS DIRECTED BY THE CITY TRAFFIC ENGINEER OR DESIGNEE.
15.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE STRIPING IS OFFSET ONE (1) FOOT CLEAR OF THE CONSTRUCTION JOINT, UNLESS OTHERWISE DIRECTED BY THE CITY TRAFFIC ENGINEER OR DESIGNEE.
16.

THE DIMENSIONS SHOWN TO PAVEMENT STRIPING ARE TO THE CENTER OF THE STRIPING OR IN THE CASE OF DOUBLE STRIPING THE CENTER OF THE DOUBLE STRIPE.
17.

THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER OR DESIGNEE, BY SWEEPING AND AIR JET BLOWING, IMMEDIATELY PRIOR TO THE PLACEMENT OF ALL PAVEMENT MARKINGS. THE ROADWAY SURFACE SHALL BE DRY PRIOR TO APPLICATION.
18.

ALL FINAL LANE MARKINGS AND CHEVRONS SHALL BE 60 MIL (0.060 INCH) THICK HOT-SPRAYED THERMOPLASTIC REFLECTORIZED STRIPING PLACED THIRTY (30) DAYS AFTER COMPLETION OF THE FINAL PAVEMENT SURFACE. ALL OTHER MARKINGS SHALL BE APPLIED AT THE SAME TIME.
19.

ALL FINAL STOP BARS, CROSSWALK LINES, AND PAVEMENT ARROWS AND SYMBOLS SHALL BE WHITE 90 MIL (0.090 INCH) THICK ALKYD EXTRUDED THERMOPLASTIC REFLECTORIZED MARKINGS AND PLACED THIRTY (30) DAYS AFTER COMPLETION OF THE FINAL PAVEMENT SURFACE.
20.

THE CONTRACTOR SHALL PRESERVE ALL ROADWAY PERMANENT SIGNING, OBJECT MARKERS AND DELINEATORS. THE CONTRACTOR SHALL REPLACE AT NO ADDITIONAL COST TO THE CITY, PERMANENT SIGNING, OBJECT MARKERS AND DELINEATORS DAMAGED DURING THE ROADWAY CONSTRUCTION ACTIVITIES.
21.

THE PAVEMENT MARKING DRAWINGS MAY BE SCHEMATIC. THE CONTRACTOR SHALL FOLLOW DIMENSIONS SHOWN ON THE PLANS AND STANDARD DETAILS WHEN INSTALLING PAVEMENT MARKINGS THAT ARE NOT DRAWN TO SCALE.
22.

ALL DIMENSIONS ARE IN FEET UNLESS NOTED OTHERWISE ON THE PLANS.
23.

A DOUBLE-SIDED BLUE RAISED PAVEMENT MARKER SHALL BE INSTALLED AT EACH FIRE HYDRANT LOCATION PER MAG DETAIL 122.
24.

RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED PER ADOT STD. DWG. M-19 WITH BITUMINOUS ADHESIVE WHICH IS ON THE ADOT APPROVED PRODUCTS LIST.
25.

SIGNING AND STRIPING SHALL BE INSTALLED SIMULTANEOUSLY. STRIPING SHALL NOT BE PLACED IF ASSOCIATED SIGNING CANNOT BE INSTALLED.

SIGNING GENERAL NOTES

1.

INSTALLATION OF ALL SIGNS SHALL BE IN COMPLIANCE WITH THE MCDOT SUPPLEMENT TO THE MARICOPA ASSOCIATION OF GOVERNMENTS' (MAG) UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION; SECTIONS 464 AND 465, THESE PLANS AND THE SPECIAL PROVISIONS.
2.

ALL STATION LOCATIONS AND OFFSETS SHOWN ON THE SIGNING PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL MARK ALL SIGN LOCATIONS AND CONTACT THE MCDOT PROJECT INSPECTOR, TO COORDINATE INSPECTION WITH THE COUNTY'S TRAFFIC ENGINEER, OR HIS REPRESENTATIVE PRIOR TO ANY PERMANENT SIGN INSTALLATION. ALL SIGNING INSTALLED PRIOR TO INSPECTION, IF MODIFICATION IS REQUIRED, SHALL BE REMOVED AND REINSTALLED AT THE CONTRACTOR'S EXPENSE. PERMANENT SIGNING MAY BE MODIFIED AS DIRECTED BY THE COUNTY'S TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
3.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC CONTROL SIGNING, PERFORATED POSTS, U-CHANNEL POSTS, AND FOUNDATIONS FOR THE SIGN POSTS, AT THE APPROVED LOCATIONS. ALL TRAFFIC SIGNS SHALL BE ATTACHED TO THE STREET LIGHT POLES IF THE POLE IS WITHIN 25 FEET OF THE SIGN LOCATION AS SHOWN ON THE PLANS. ANY QUESTIONS CONCERNING SIGNING, CONTACT THE PROJECT INSPECTOR.
4.

STANDARD OFFSET FOR ALL SIGNS IS 12 FEET FROM THE NEAR EDGE OF SIGN TO THE EDGE OF PAVEMENT WITHOUT CURB AND GUTTER, AND 2 FEET MINIMUM FROM THE NEAR EDGE OF SIGN TO THE FACE OF CURB WITH CURB AND GUTTER. THE SIGN HEIGHT, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE ELEVATION OF THE NEAR EDGE OF THE PAVEMENT SHALL BE 5 FEET FOR RURAL AND 7 FEET FOR URBAN AREAS.
5.

ALL FACE OF BOLTS AND NYLON WASHERS USED FOR MOUNTING SIGNS SHALL MATCH THE COLOR IN THE PART OF THE SIGN PANEL IN WHICH THEY ARE TO BE PLACED.
6.

POST LENGTHS INDICATED ON THE SIGN SUMMARY SHEETS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL POST LENGTHS.
7.

ALL POSTS, FOUNDATIONS AND SIGN PANELS SHALL BE NEW UNLESS OTHERWISE DIRECTED.
8.

ALL STREET NAME SIGN INSTALLATIONS SHALL BE IN CONFORMANCE WITH MCDOT STANDARD DETAILS 2054-1 OR 2054-2. METRO STREET SIGNS SHALL CONFORM TO MCDOT STANDARD DETAIL 4780-2 UNLESS OTHERWISE NOTED.
9.

ALL FOUNDATIONS FOR PERFORATED POSTS SHALL BE IN CONFORMANCE WITH MCDOT STANDARD DETAIL 2058.
10.

ALL U-CHANNEL POST INSTALLATIONS SHALL BE IN CONFORMANCE WITH MCDOT STANDARD DETAIL 2059.
11.

ALL SIGNS SHALL BE MADE OF FLAT SHEET ALUMINUM PANELS UNLESS OTHERWISE DIRECTED WITH THE RETROREFLECTIVE SHEETING AND DIRECT APPLIED OR SILK SCREENED CHARACTERS PER SECTIONS 465.2.3 AND 465.2.4 OF THE MCDOT SUPPLEMENT TO THE MARICOPA ASSOCIATION OF GOVERNMENTS' (MAG) UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
12.

SIGNS THAT NEED TO BE REMOVED DURING CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE ALL PERMANENT SIGNING THAT IS NO LONGER APPLICABLE AND STORE SIGN PANELS AND POSTS IN THE CONTRACTOR'S ON-SITE CONSTRUCTION YARD. CONTRACTOR SHALL SCHEDULE WITH INSPECTOR THE DELIVERY OF SALVAGED SIGNING MATERIAL (SIGN PANELS & POSTS, ETC.) TO 2909 W. DURANGO ST.

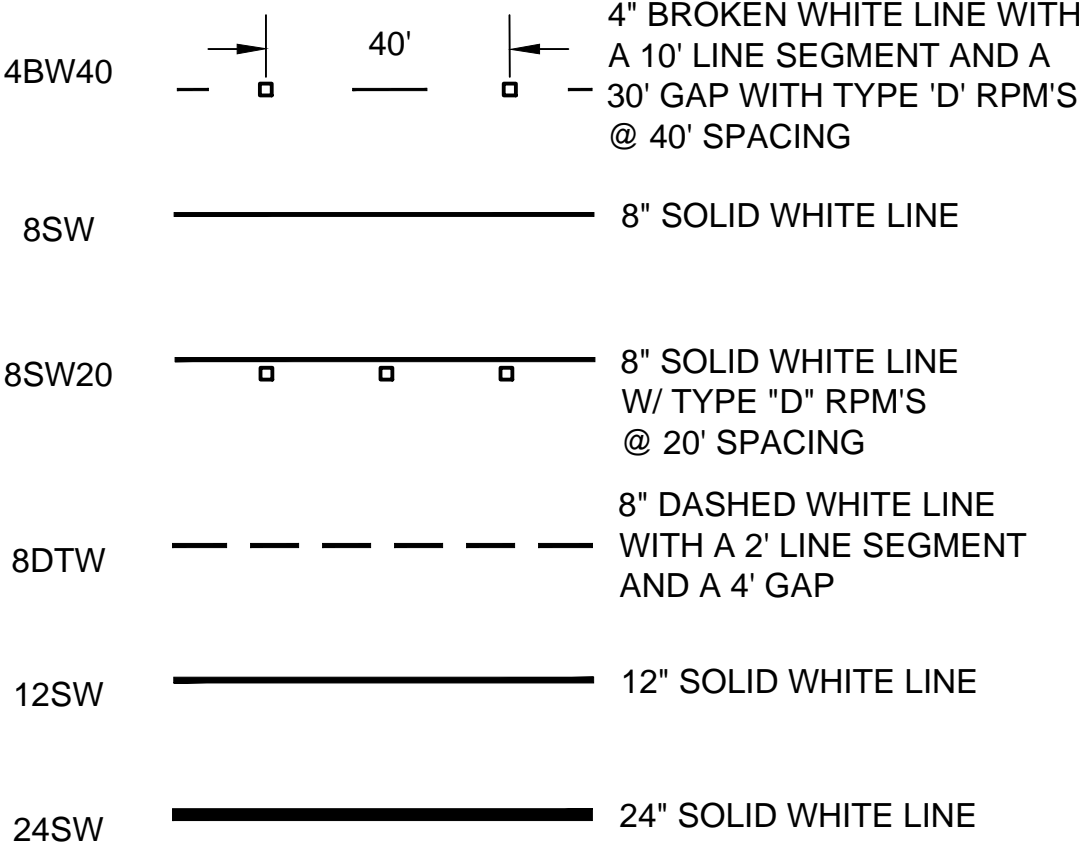
H= HIGH INTENSITY SHEETING P= PERFORATED POSTS

D= DIAMOND GRADE SHEETING U= U-CHANNEL POST

WADDELL RD DESGN SPEED= 55 MPH


WADDELL RD POSTED SPEED= 45 MPH

STRIPING LEGEND




REVISION BY CITY OF SURPRISE

NO.	DESCRIPTION	REV BY	CHK BY	DATE

SURPRISE
ARIZONA

WOOD/PATEL
MISSION: CLIENT SERVICE™
PHOENIX • MESA • TUCSON
2011 N. CENTRAL AVENUE, SUITE 201
PHOENIX, AZ 85021
(602) 385-6600

EXPIRES 06-30-2017

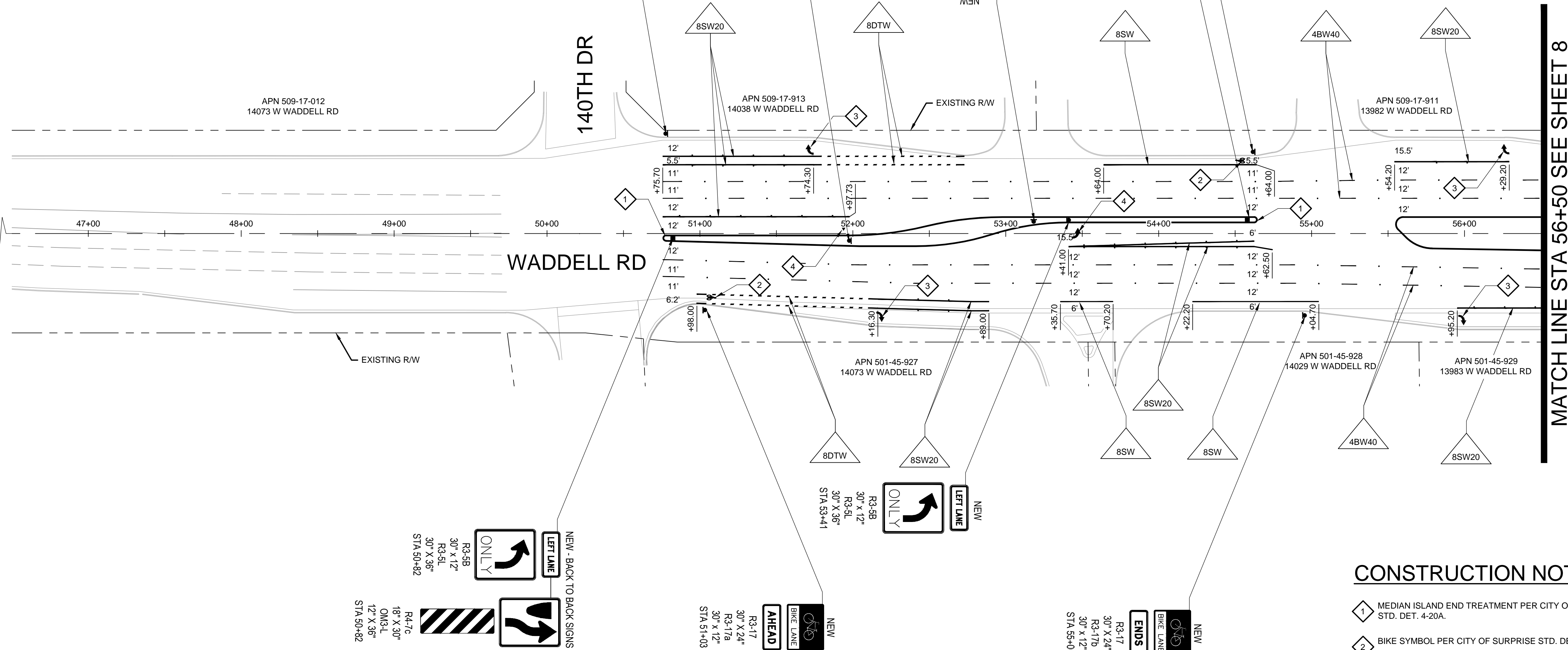
WADDELL RD IMPROVEMENTS
140TH DR TO LITCHFIELD RD
GENERAL NOTES AND LEGEND

DESIGNED	CC	DRAWN	CC/BM	CHECKED	CS

DATE
08/20/2015

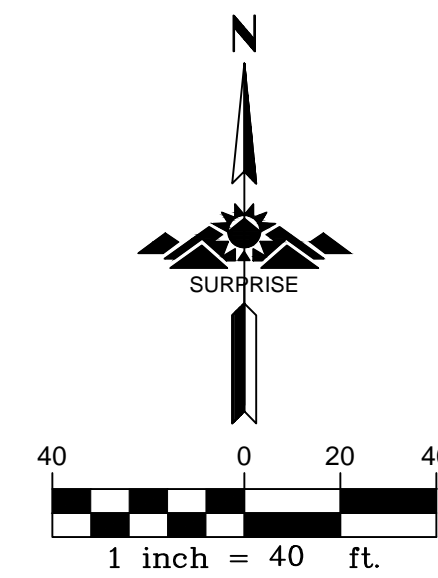
PROJECT NO.
CIP #21525

SHEET NUMBER
6 OF 8



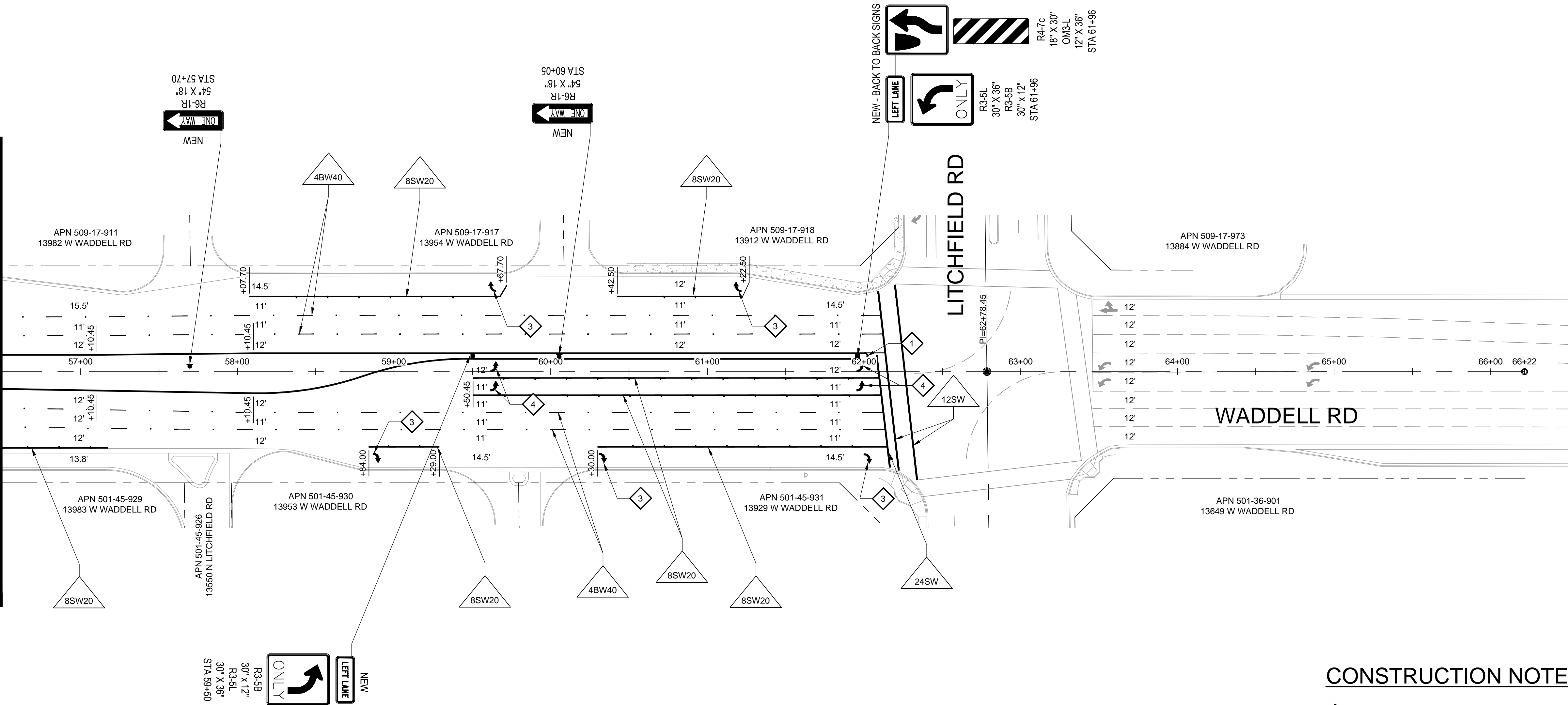
- 1 MEDIAN ISLAND END TREATMENT PER CITY OF SURPRISE STD. DET. 4-20A.
- 2 BIKE SYMBOL PER CITY OF SURPRISE STD. DET. 4-20B.
- 3 RIGHT TURN LANE ARROW SYMBOL
- 4 LEFT TURN LANE ARROW SYMBOL

- NOTES:**
1. PAVEMENT ARROWS ARE PER ADOT STD. DRAWING M-11, "ONLY" LEGEND SHALL BE OMITTED. ONLY INSTALL A PAVEMENT ARROW AT THE BEGINNING OF THE TURN LANE IF THE TURN LANE IS LESS THAN OR EQUAL TO 150 FEET.
 2. OBLITERATE EXISTING STRIPING WITHIN THE PROJECT LIMITS PER CITY OF SURPRISE SPECIFICATIONS. REFER TO GENERAL NOTES ON SHEET 6.

[illegible]

N:\2015\154307\DWG\IMP\4307 SIGNING & STRIPING.DWG - 9/4/2015 10:17 AM

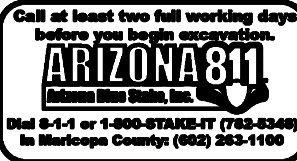
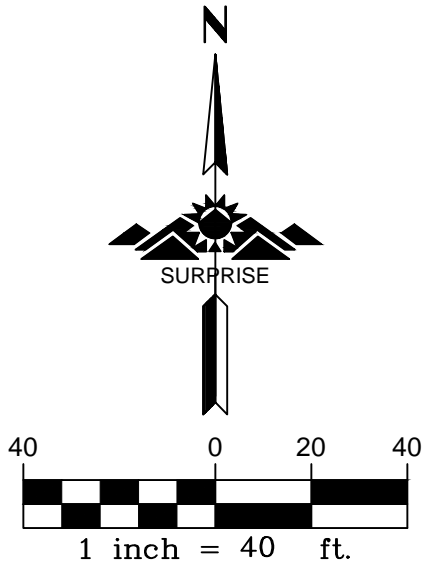
MATCH LINE STA 56+50 SEE SHEET 7



CONSTRUCTION NOTES

- 1. MEDIAN ISLAND END TREATMENT PER CITY OF SURPRISE STD. DET. 4-20A.
- 3. RIGHT TURN LANE ARROW SYMBOL
- 4. LEFT TURN LANE ARROW SYMBOL

NOTES:
1. PAVEMENT ARROWS ARE PER ADOT STD. DRAWING M-11. "ONLY" LEGEND SHALL BE OMITTED. ONLY INSTALL A PAVEMENT ARROW AT THE BEGINNING OF THE TURN LANE IF THE TURN LANE IS LESS THAN OR EQUAL TO 150 FEET.
2. OBLITERATE EXISTING STRIPING WITHIN THE PROJECT LIMITS PER CITY OF SURPRISE SPECIFICATIONS. REFER TO GENERAL NOTES ON SHEET 6.



REVISION BY CITY OF SURPRISE			
NO.	DESCRIPTION	REV BY	CHK BY DATE
WOOD/PATEL MISSION: CLIENT SERVICE™ PHOENIX • MESA • TUCSON 2015 N. WILLOW AVE. PHOENIX, AZ 85021 (602) 385-6600			
SURPRISE ARIZONA			
WADDELL RD IMPROVEMENTS 140TH DR TO LITCHFIELD RD SIGNING AND STRIPING PLAN			
DESIGNED	CC	DRAWN	CC/BM
CHECKED	CS		
DATE 08/28/2015			
PROJECT NO. CIP #21525			
SHEET NUMBER 8 OF 8			